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🔍 Title: **JP4206339A2: ALKALI DRY CELL**

🔍 Derwent Title: Gas emission hole structure for negative electrode of alkaline dry battery - includes thermo melting material that melts at specific temperature range, coated on upper portion of gas emission hole formed in cathode ventilation board [\[Derwent Record\]](#)

🔍 Country: **JP Japan**
 🔍 Kind: **A** (See also: [JP2952033B2](#))

🔍 Inventor: **ITO YUKIHIRO;**
IIZUKA KAZUO;

🔍 Assignee: **TOSHIBA BATTERY CO LTD**
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🔍 Published / Filed: **1992-07-28 / 1990-11-30**

🔍 Application Number: **JP1990000330246**

🔍 IPC Code: **H01M 2/12;**

🔍 Priority Number: **1990-11-30 JP1990000330246**

🔍 Abstract: **PURPOSE:** To obtain a satisfactory leak resisting property by covering the gas discharge hole part of a negative electrode terminal plate with a thermally melting material softened and melted at a specified temperature.

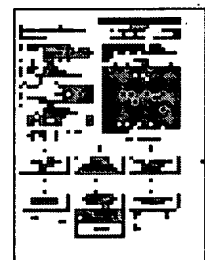
CONSTITUTION: A negative electrode terminal plate 8 is placed on the stepped part 54 of an insulating gasket 5 provided on the opening part of a metal can 1 through a ring metal support body 7 having an air hole 7a, and the gas discharge hole part 8a of the negative electrode terminal plate 8 is covered with a thermally melting material softened and melted at 70-90°C. A coat layer 9 of paraffin wax having a melting point of 75°C, for example, as the thermally melting material is formed. Thus, the leak passage of the electrolyte climbed up along a collecting bar 6 and moved along the inner surface of the negative electrode terminal plate 8 can be cut by the paraffin wax coat layer 9. Thus, a satisfactory leak resisting characteristic can be obtained.

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🔍 Other Abstract Info: **DERABS C92-296804 DERC92-296804**



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(11) Publication number: **04206**

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PATENT ABSTRACTS OF JAPAN(21) Application number: **02330246**(51) Intl. Cl.: **H01M 2/12**(22) Application date: **30.11.90**

(30) Priority:	(71) Applicant: TOSHIBA BATTERY CO LTD
(43) Date of application publication: 28.07.92	(72) Inventor: ITO YUKIHIRO IIZUKA KAZUO
(84) Designated contracting states:	(74) Representative:

(54) ALKALI DRY CELL

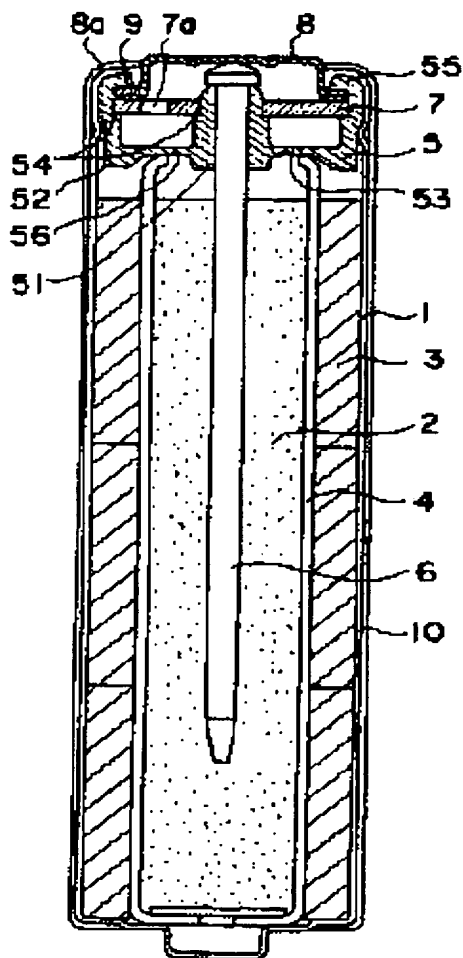
(57) Abstract:

PURPOSE: To obtain a satisfactory leak resisting property by covering the gas discharge hole part of a negative electrode terminal plate with a thermally melting material softened and melted at a specified temperature.

CONSTITUTION: A negative electrode terminal plate 8 is placed on the stepped part 54 of an insulating gasket 5 provided on the opening part of a metal can 1 through a ring metal support body 7 having an air hole 7a, and the gas discharge hole part 8a of the negative electrode terminal plate 8 is covered with a thermally melting material softened and melted at 70-90°C. A coat layer 9 of paraffin wax having a melting point of 75°C, for example, as the thermally melting material is formed. Thus, the leak passage of the electrolyte climbed up along a collecting bar 6 and moved along the inner surface of the negative electrode terminal plate 8 can be cut by the paraffin wax coat

layer 9. Thus, a satisfactory leak resisting characteristic can be obtained.

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